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Alexandra M. Wilson
Chief Policy Counsel

November 12, 1999

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FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

Ms. Magalie Salas
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: CS Docket No. 98-120 – Oral Ex Parte Presentation

Dear Ms. Salas:

On November 10, 1999, Alex Best, Chief Technology Office and Executive Vice President for Engineering, Cox Communications, Inc., made an oral ex parte presentation in the above-referenced proceeding to the following staff members of the FCC's Cable Services Bureau: Deborah Klein, John Wong, Ron Parver, Ben Golant, and Tom Horan. Mr. Best also met with Robert Pepper and Jonathan Levy of the Office of Plans and Policy. Alex Netchvolodoff, Vice President for Public Policy, Cox Enterprises, Inc., and I also attended the meetings.

Mr. Best described the limited spare channel capacity of Cox cable systems that have been upgraded to 750 MHz and discussed possibilities for recapturing spectrum on those systems. Pursuant to Section 1.1206(b)(2) of the Commission's rules, an original and one copy of a summary of Mr. Best's presentation are enclosed.

Please do not hesitate to contact me should you have any questions about this matter.

Sincerely yours,

Alexandra M. Wilson
Chief Policy Counsel

Enclosure

cc: Deborah Klein, John Wong, Ron Parver, Ben Golant, Tom Horan
Bob Pepper, Jonathan Levy

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List ABCDE

Future Proof!

How Much Bandwidth is

Enough?

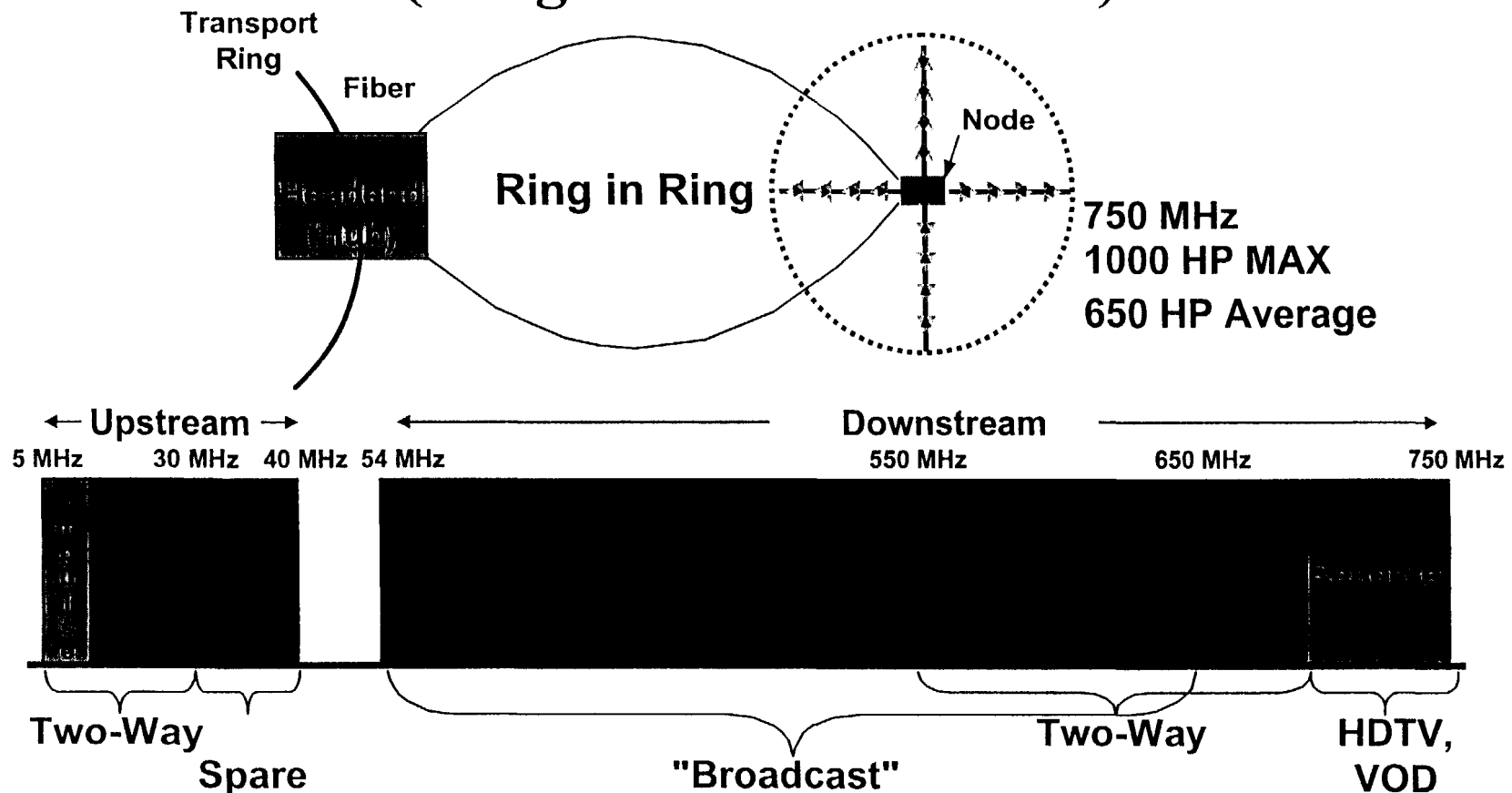
Alex Best

Cox Communications, Inc.

November 10, 1999

From a Network Perspective... **COX** COMMUNICATIONS

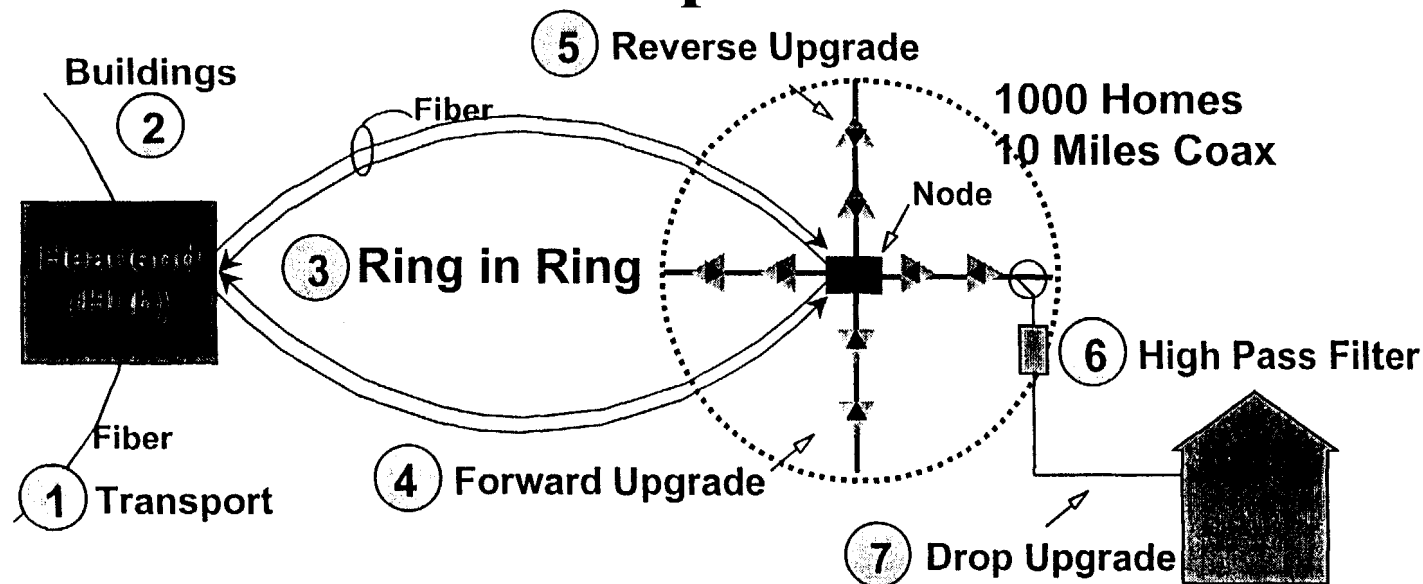
Our Strategy Has Not Changed (Large Cluster Markets)



Full Service Network

From a Network Perspective... **COX** COMMUNICATIONS

Upgrade Capitals Provide for these Improvements



1. Transport - \$4/HP
2. Buildings - \$16/HP
3. Ring in Ring - \$50/HP
4. Forward Upgrade - \$190/HP

5. Reverse Upgrade - \$15/HP
6. Filters - \$5/HP
7. Drops - \$8/HP

***\$288/Home Passed Prepares the Network
for Video, Voice & Data Services***

As a Result...

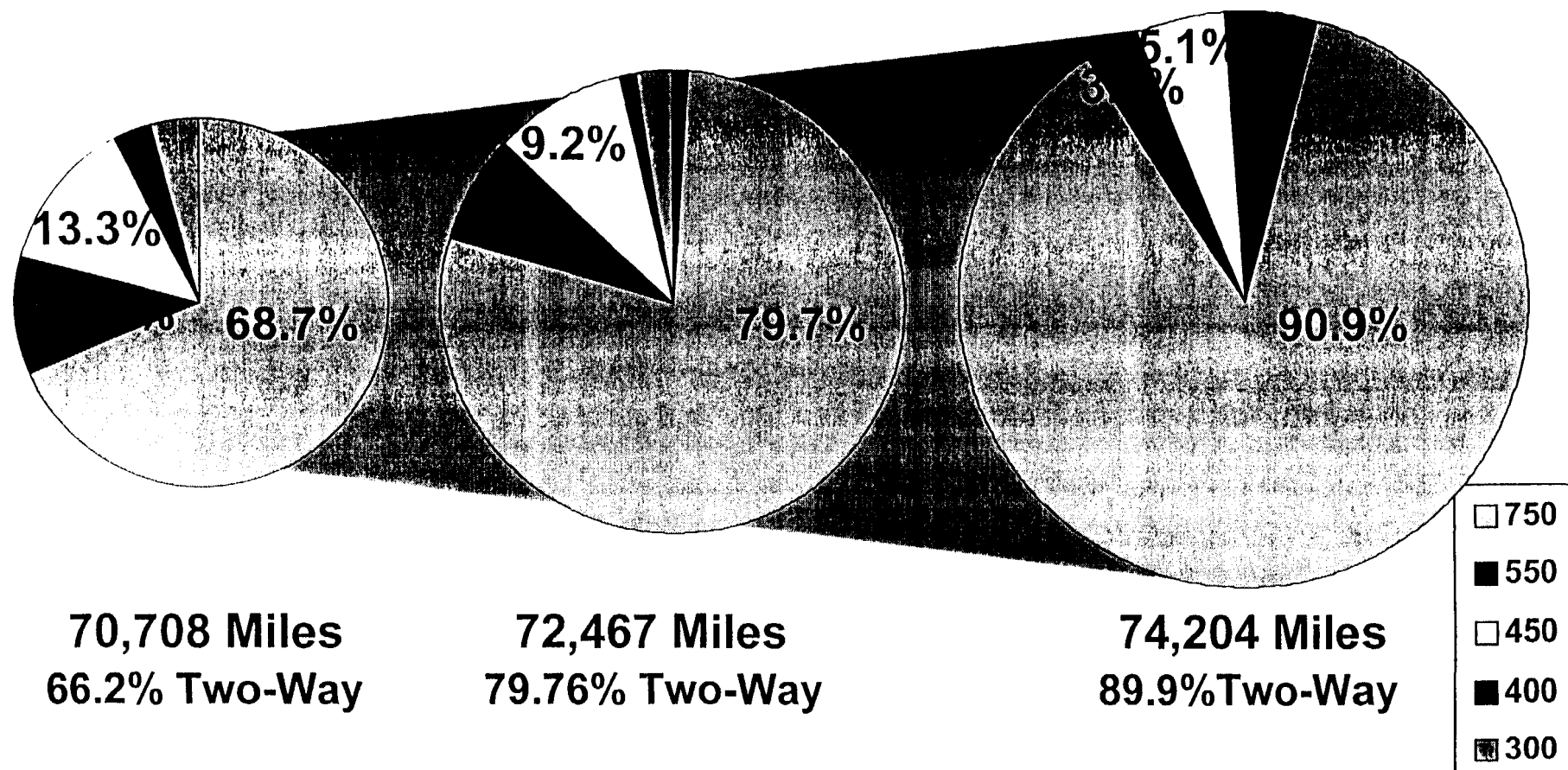
The "Pipe Gets Bigger"



1999 End of Year

2000 End of Year

2001 End of Year



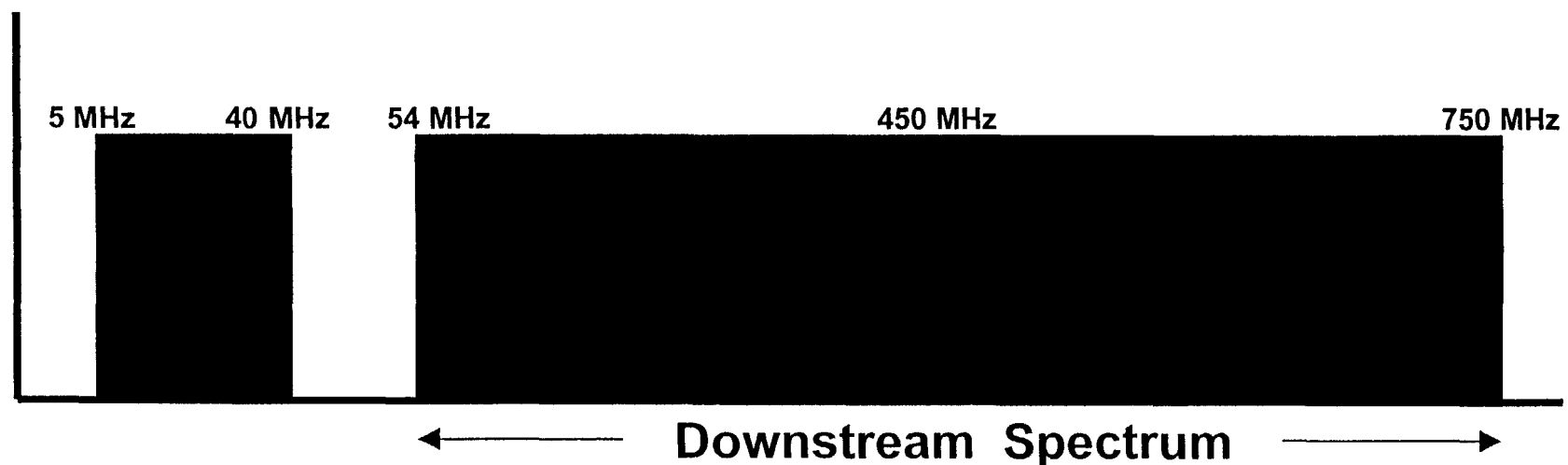
The 15 Largest Cluster Markets - 71.4% of Customers

(Phoenix, San Diego, New England, Hampton Roads, Las Vegas, Louisiana, Northern Virginia, Oklahoma City, Orange County, Omaha, Tulsa, Gulf Coast, Baton Rouge, Tucson, Wichita)

From a Network Perspective... **COX** COMMUNICATIONS

➤ The Choices:

- More analog channels
- Digital channels
- Internet services
- Telephone service
- Broadcast digital/HDTV
- Satellite HDTV
- VOD
- Video telephony?

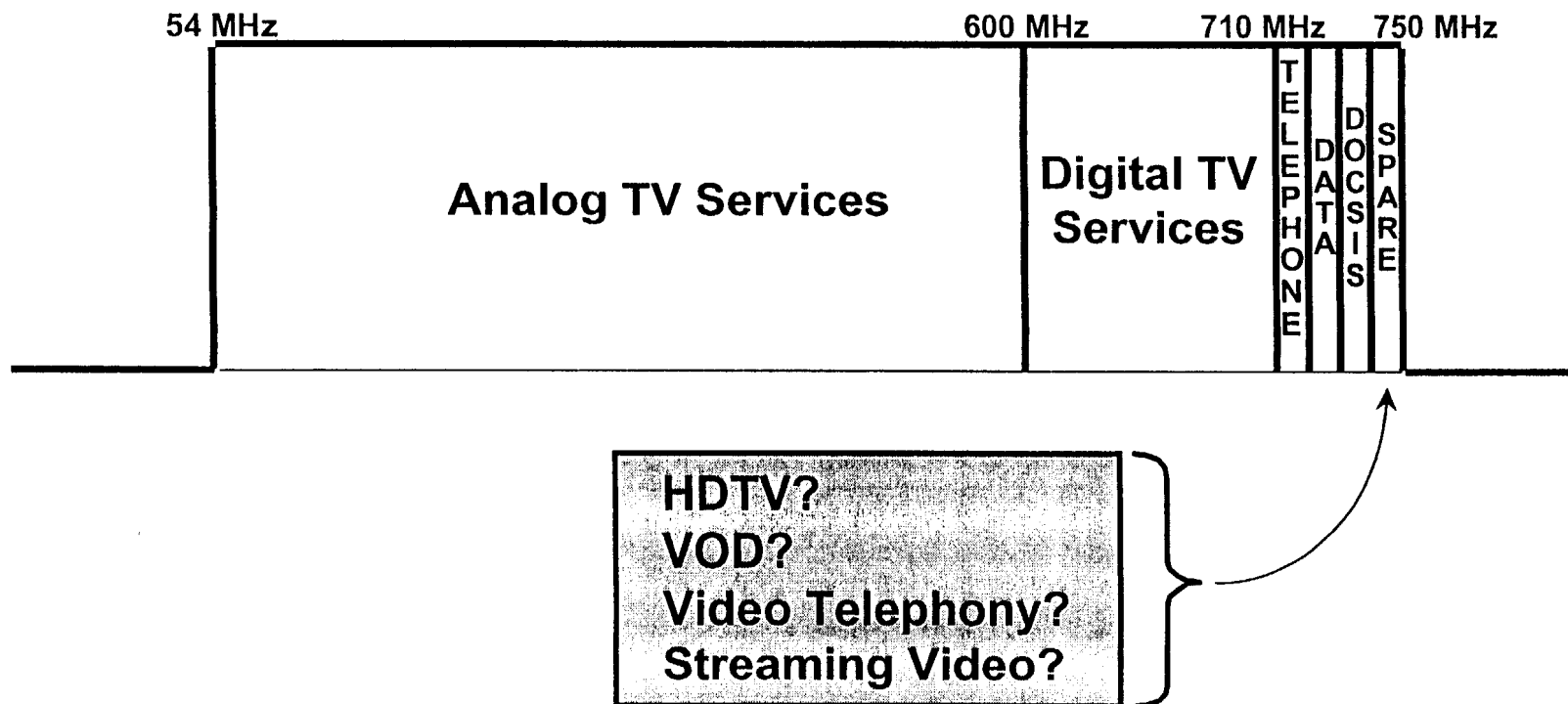


76% More Capacity - What to Do!

On the Bandwidth Side...



Spectrum Utilization



We Are Running Out of Bandwidth!

In Summary...



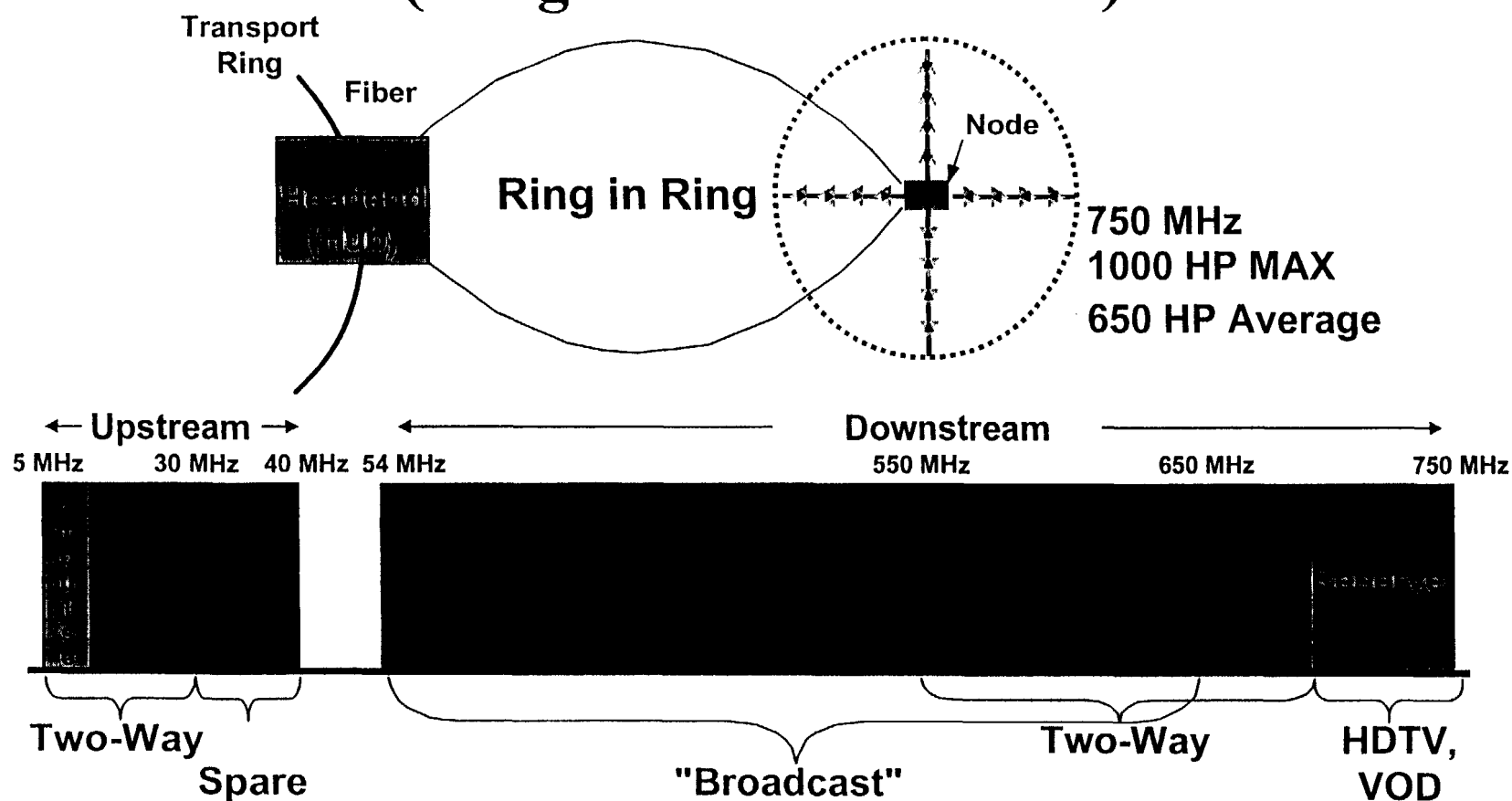
-
- A 450 MHz to 750 MHz upgrade cost \$250/\$300 per HP.
 - DBS offers 200 channels of video service.
 - A hybrid analog/digital video offering is our last competitive advantage against DBS.
 - Digital boxes are in less than 10% of our customers' homes.
 - A 750 MHz system is immediately filled to above 700 MHz.
 - Spectrum recovery schemes are available but will take money and time.

Future Proof! How Much Bandwidth is Enough?

**Alex Best
Cox Communications, Inc.
November 10, 1999**

From a Network Perspective... **COX** COMMUNICATIONS

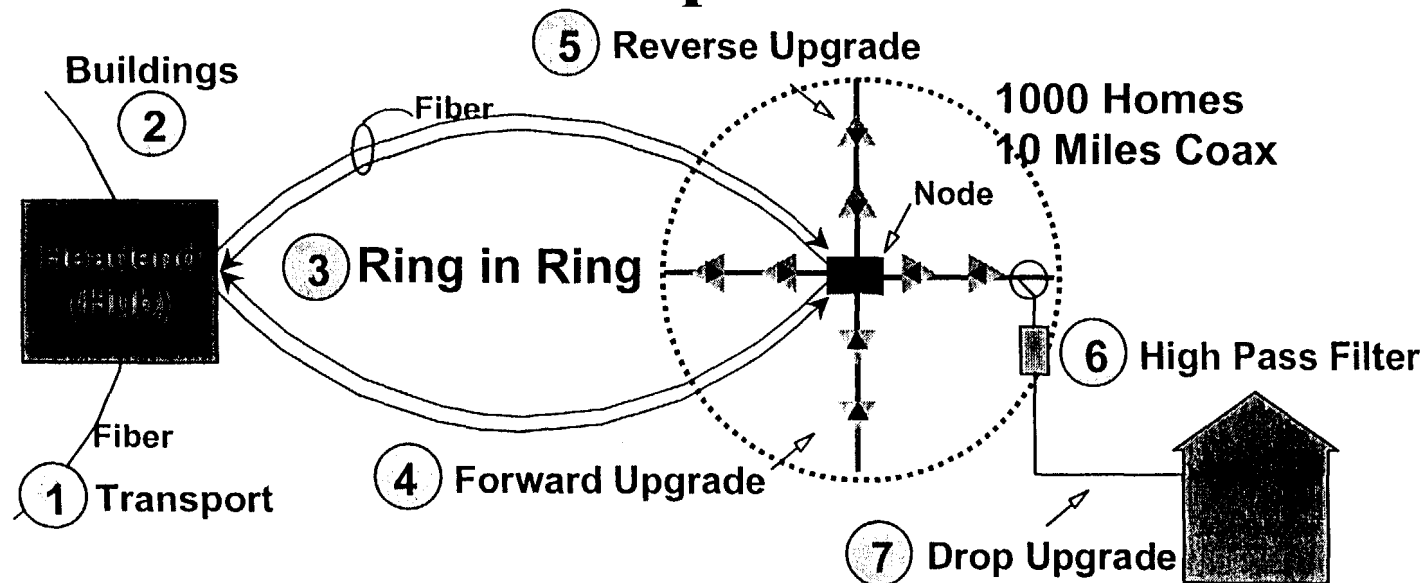
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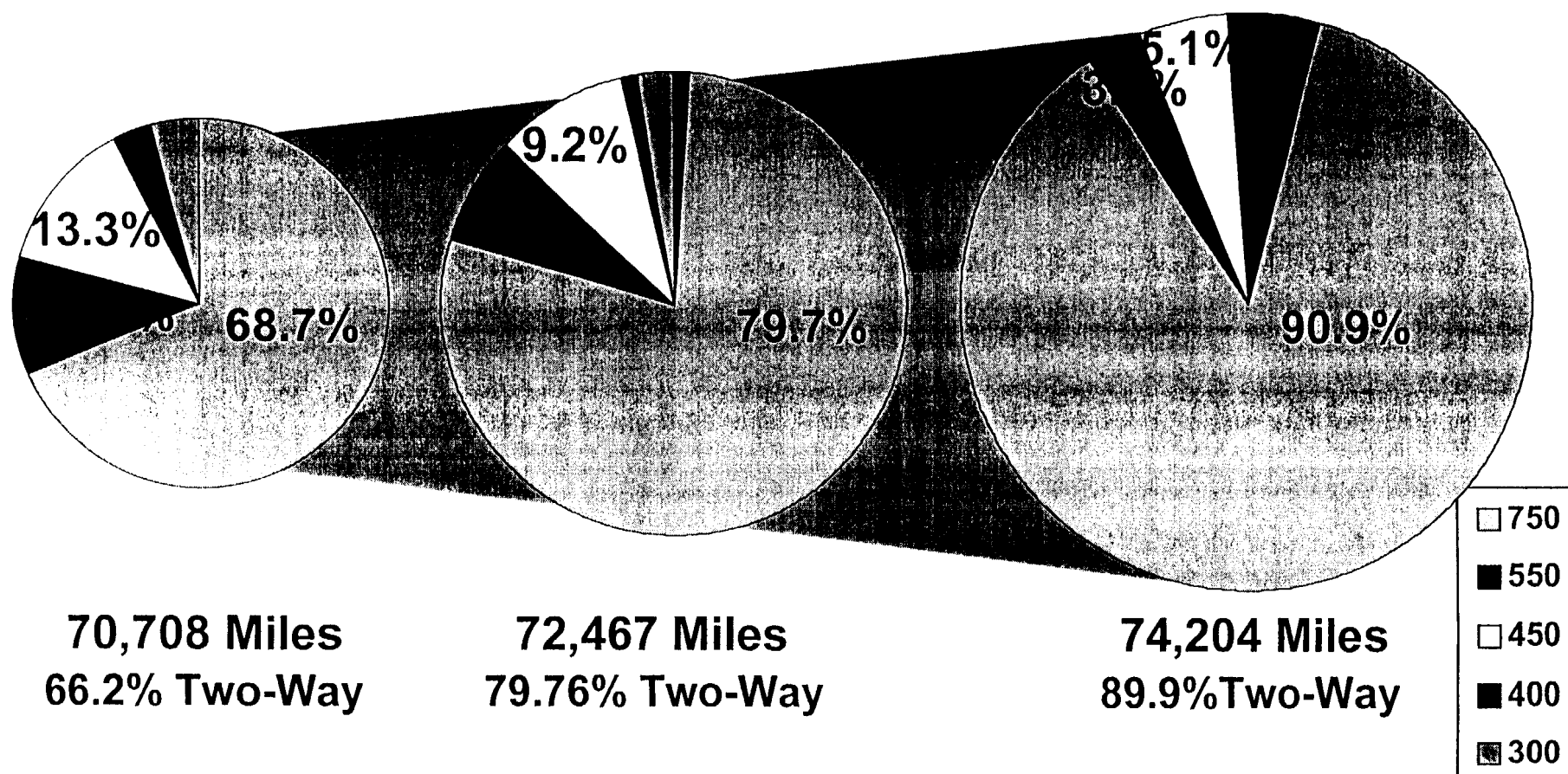
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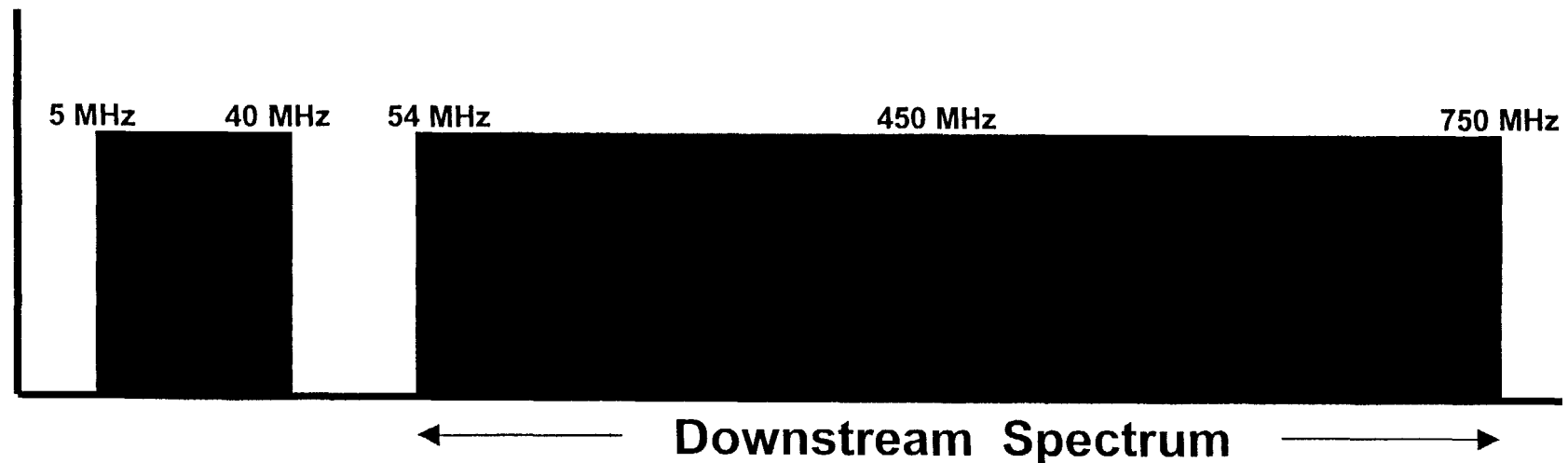
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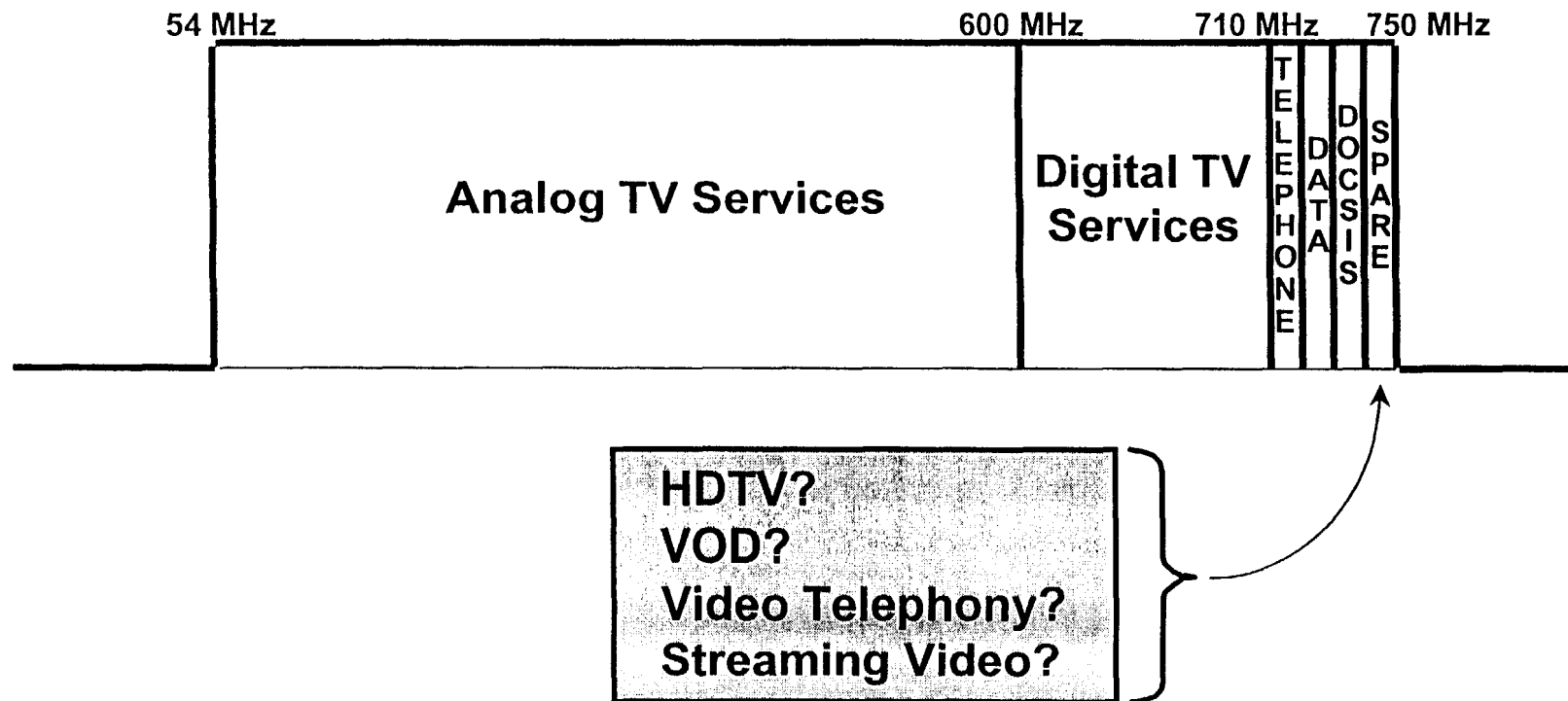


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